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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	10/813,011	03/31/2004	Hidekazu Noguchi	030712-30	5249	
	22204	7590 08/23/2005		EXAMINER		
		ABODY, LLP		NGUYEN, HIEP		
	401 9TH STREET, NW SUITE 900 WASHINGTON, DC 20004-2128			ART UNIT	PAPER NUMBER	
				2816		
				DATE MAILED: 08/23/200	; 5 :	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Applic	ation No.	Applicant(s)				
		10/813	3,011	NOGUCHI, HIDEKAZ	.u (M)			
		Exami	ner	Art Unit	-6			
			guyen	2816				
 Period for	The MAILING DATE of this commun Reply	ication appears on	the cover sheet wi	th the correspondence addre	iss			
THE MA - Extension after SI - If the pe - If NO pe - Failure to Any rep	RTENED STATUTORY PERIOD F AILING DATE OF THIS COMMUN ons of time may be available under the provisions (6) MONTHS from the mailing date of this commind for reply specified above is less than thirty (3) priod for reply is specified above, the maximum state or reply within the set or extended period for reply by received by the Office later than three months apatent term adjustment. See 37 CFR 1.704(b).	ICATION. of 37 CFR 1.136(a). In nonunication. 0) days, a reply within the atutory period will apply an will, by statute, cause the	event, however, may a restatutory minimum of thirt d will expire SIX (6) MON application to become AB	eply be timely filed by (30) days will be considered timely. THS from the mailing date of this commendations.	nunication.			
Status								
1)⊠ R	esponsive to communication(s) file	ed on 31 March 200	04.					
· ·	•	2b)⊠ This action is						
-	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositio	n of Claims							
4a 5)⊠ C 6)⊠ C 7)□ C	Claim(s) is/are objected to.							
Application	ı Papers							
10)⊠ Th Al R	ne specification is objected to by the drawing(s) filed on 31 March 20 pplicant may not request that any objected to be oath or declaration is objected to	<u>04</u> is/are: a)⊠ acc ction to the drawing(s the correction is req	s) be held in abeyan uired if the drawing(ice. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR	` '			
Priority un	der 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
2) Notice o 3) Informat	f References Cited (PTO-892) f Draftsperson's Patent Drawing Review (P ion Disclosure Statement(s) (PTO-1449 or o(s)/Mail Date <u>03-31-04</u> .		Paper No(s	ummary (PTO-413) s)/Mail Date nformal Patent Application (PTO-15 	2)			



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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 6, 7, 11, 12-16, 19 and 20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Correction and/or clarification is required.

Regarding claim 6, the recitation "a sixth transistor" is indefinite because it is not clear where it is in the drawing. The recitation "the sixth transistor weakening retention of a state of the second inverter where the state is inverted" is indefinite because it not clear how the "sixth transistor" can perform the "weakening retention" as recited. The Applicant is requested to point out what are the "sixth transistor" and the "second inverter" in the drawing.

Regarding claim 7, the recitations "a transistor" on lines 2-3, "the fifth and sixth transistors" are indefinite because it is not clear where they are in the drawing.

Regarding claim 11, the recitations "the first transistor includes a first NMOS transistor and a first PMOS transistor" on lines 2-3 and the "second transistor includes a second NMOS transistor and a second PMOS transistor" on lines 4-5 are indefinite because they are misdescriptive. A transistor cannot include two other transistors as recited.

Regarding claim 12, the recitations "the third transistor has a third NMOS transistor and a third PMOS transistor" on lines 2-3 has the same 112, 2nd problem.

Regarding claim 15, the recitation "the <u>second inverter</u> further includes a <u>sixth</u> transistor" is indefinite because it is not clear where are the "second inverter" and the "sixth transistor" in the drawing. As understood by the Examiner, the <u>second inverter</u> comprises second NMOS transistor (N20) and second PMOS transistor (P20). It is also unclear how "the sixth transistor" can weaken "retention of a state of the second inverter where the state is inverted".

Regarding claim 16, the recitation "<u>a transistor</u> which has a current driving capacity substantially identical to the second current driving capacity and <u>is adapted</u> to <u>weaken</u> retention of a state of a connecting portion of the <u>fifth and sixth transistors</u> where the state

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thereof is inverted" is indefinite because it is confusing. It is not clear how the "a transistor" is <u>adapted</u> to perform the weakening retention ..." function. Clear explanation is required.

Regarding claim 19, the recitation "an input signal having a second amplitude that is smaller than the first amplitude, the input signal including a first input signal and a second input signal, the inversion circuit including a third transistor having a third current driving capacity that is smaller than the first current driving capacity and is larger than the second driving capacity" is indefinite because it is confusing. It is not clear what are the "a second amplitude" and "the first amplitude". It is not clear what is the "third transistor" in the drawing. The recitation "the first amplitude" does not have antecedent basis.

Claims 13, 14 and 20 are indefinite because of the technical deficiencies of claims 12 and 19.

Allowable Subject Matter

Claims 1-5, 8-10, 17 and 18 are allowed.

Claims 6, 7, 11, 12-16, 19 and 20 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Claims 1-5, 8-10, 17 and 18 are allowed because the combination of USP. 6,084,454 and USP. 4,667,310 fails to teach or suggest a level shift circuit comprising an inversion circuit including a third transistor having a third current driving capacity that is smaller than the first current driving capacity and is larger than the second driving capacity as called for in claims 1 and 10.

Claim 19 would be allowable allowed because the combination of USP. 6,084,454 and USP. 4,667,310 fails to teach or suggest a level shift circuit comprising an inversion circuit including a third transistor having a third current driving capacity that is smaller than the first current driving capacity and is larger than the second driving capacity

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hiep Nguyen whose telephone number is (571) 272-1752. The examiner can normally be reached on Monday to Friday from 7:30am to 4:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hiep Nguyen

08-17-05 M

TUAN T. LAM
PRIMARY EXAMINER